

WEST Search History

DATE: Sunday, September 28, 2003

Set Name Query side by side

Hit Count Set Name result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=NO; OP=OR

L17 5543498.pn. 2 L17

L16 L15 and pancrea\$5 15 L16

L15 (transporter near2 peptide\$) near10 membrane\$ 40 L15

DB=USPT; PLUR=NO; OP=OR

L14 L13 and hepatocyte 8 L14

L13 l8 and coupl\$5 110 L13

L12 l8 and l1 0 L12

L11 l1 and l9 0 L11

L10 L8 and l2 0 L10

L9 L8 and conjugat\$5 105 L9

L8 (transport\$\$\$ near2 peptide\$) near10 membrane\$ 171 L8

L7 (transport\$\$\$ near2 peptide\$) near10 membrane\$ near10 pancrea\$\$\$\$ 0 L7

L6 L5 and pancrea\$\$\$ 1 L6

L5 L3 and translocat\$\$\$ 6 L5

L4 L3 amd translocat\$\$\$ 14568 L4

L3 L2 and transport\$5 50 L3

L2 arg adj arg adj thr adj lys 88 L2

L1 arg near arg near thr near lys 342 L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 11:25:28 ON 28 SEP 2003)

FILE 'REGISTRY' ENTERED AT 11:25:37 ON 28 SEP 2003

L1 1 S RRTK/SQEP

FILE 'CAPLUS' ENTERED AT 11:26:49 ON 28 SEP 2003

L2 2 S L1

FILE 'REGISTRY' ENTERED AT 11:28:16 ON 28 SEP 2003

L3 6002 S RRTK/SQSP

FILE 'CAPLUS' ENTERED AT 11:28:40 ON 28 SEP 2003

L4 1775 S L3

L5 22 S L3 AND PANCREATIC

L6 7 S L5 AND TRANSPORT?

L7 0 S RRTK

L8 5 S ARG(A) ARG(A) THR(A) LYS

L9 0 S L8 AND TRANSPORT?

L10 0 S L8 AND TRANSLOC?

L11 318 S TRANSPORT? (10A) TRANSLOC? (10A) PEPTIDE#

L12 2 S L11 AND PANCREAT?

L13 0 S L8 AND L12

FILE 'REGISTRY' ENTERED AT 11:45:12 ON 28 SEP 2003

L14 1 S RKLK/SQEP

L15 1 S RRPK/SQEP

L16 0 S PTALPTYTK/SQEP

L17 0 S IQGNAQVGVGCLTNK/SQEP

L18 1 S MRGLSKRG/SQEP

FILE 'CAPLUS' ENTERED AT 11:48:30 ON 28 SEP 2003

L19 3 S L14

L20 2 S L15

L21 2 S L18

FILE 'MEDLINE, SCISEARCH, BIOSIS' ENTERED AT 11:50:04 ON 28 SEP 2003

L22 0 S L19

L23 135 S TRANSPORT?(5A) TRANSLOC? (5A) PEPTIDE#

L24 1 S L23 AND PANCREA?

L25 27 S MEMBRANE (5A) TRANSPORT?(10A) TRANSLOC? (10A) PEPTIDE#

L26 0 S L25 AND CONJUGAT?

L27 0 S L25 AND EFFECTOR#

L28 1 S L25 AND CYTOPLASM

(FILE 'HOME' ENTERED AT 15:57:27 ON 28 SEP 2003)

FILE 'REGISTRY' ENTERED AT 15:57:42 ON 28 SEP 2003
6002 S RRTK/SQSP

L1

FILE 'CAPLUS' ENTERED AT 15:58:12 ON 28 SEP 2003

L2

1775 S L1

L3

57 S L2 AND TRANSPORTER

L4

1 S L3 AND PANCREA?

L5

43 S L2 AND PANCREA?

L6

1 S L5 AND CONVERTASE#

L7

30 S L2 AND TRANSLOCAT?

L8

4 S L7 AND PANCREA?

FILE 'STNGUIDE' ENTERED AT 16:02:01 ON 28 SEP 2003

FILE 'CAPLUS' ENTERED AT 16:02:47 ON 28 SEP 2003

FILE 'STNGUIDE' ENTERED AT 16:02:47 ON 28 SEP 2003

L9

0 S L5

FILE 'CAPLUS' ENTERED AT 16:04:45 ON 28 SEP 2003

L10

43 S L5

L11

0 S L10 AND (TRANSPORTER PEPTIDE)

L12

0 S L10 AND (TRANSPORTER PEPTIDE)

L13

3 S L10 AND PHAGE

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AB . . . by early pre-B phenotype (CD10-/CD19+) and poor treatment outcome. The t(4;11), creating MLL-AF4 chimeric transcripts, is the predominant 11q23 chromosome **translocation** in infant ALL and is assocd. with extremely poor prognosis as compared with other 11q23 **translocations**. The authors analyzed an infant early preB ALL with ins(5;11)(q31;q13q23) and identified the AF5q31 gene on chromosome 5q31 as a. . .

IT Brain
 Heart
 Kidney
 Liver
 Lung
 Muscle
Pancreas
 Placenta
 Transcription, genetic
 (tissue mRNA expression human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23), in adult and fetus)

IT Recombination, genetic
 (**translocation**, insertional; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT **256325-18-5**
 RL: PRP (Properties)
 (amino acid sequence; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AB . . . with putative oncogenic potential, was originally discovered at the chromosome 10 breakpoint in T-cell acute lymphoblastic leukemias bearing the chromosomal **translocation** t(10;14)(q24;q11). To provide insight into the possible roles of this gene in development, the authors isolated and characterized its murine. . . structures develop. Between E12.5 and E15.5, the profile of Tlx-1 expression becomes more complex; expression is obsd. in the developing **pancreas** and salivary glands, as well as in several components of the nervous system, including the trigeminal, glossopharyngeal and vestibulocochlear ganglia, . . .

IT 158849-05-9, GenBank S70756 158849-06-0, GenBank S70629 158849-07-1, GenBank S70632 **158855-03-9**
 RL: PRP (Properties)
 (characterization, sequence, and developmental expression of Tlx-1, the murine homolog of HOX11)

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:796717 CAPLUS
 DN 132:120782
 TI AF5q31, a newly identified AF4-related gene, is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23)
 AU Taki, Tomohiko; Kano, Hirotsugu; Taniwaki, Masafumi; Sako, Masahiro; Yanagisawa, Masayoshi; Hayashi, Yasuhide
 CS Department of Pediatrics, Faculty of Medicine, University of Tokyo, Tokyo, 113-8655, Japan
 SO Proceedings of the National Academy of Sciences of the United States of America (1999), 96(25), 14535-14540
 CODEN: PNASA6; ISSN: 0027-8424
 PB National Academy of Sciences
 DT Journal
 LA English
 CC 14-1 (Mammalian Pathological Biochemistry)
 Section cross-reference(s): 3, 6
 AB Infant acute lymphoblastic leukemia (ALL) with MLL gene rearrangements is characterized by early pre-B phenotype (CD10-/CD19+) and poor treatment outcome. The t(4;11), creating MLL-AF4 chimeric transcripts, is the predominant 11q23 chromosome **translocation** in infant ALL and is assocd. with extremely poor prognosis as compared with other 11q23 **translocations**. The authors analyzed an infant early preB ALL with ins(5;11)(q31;q13q23) and identified the AF5q31 gene on chromosome 5q31 as a fusion partner of the MLL gene. The AF5q31 gene, which encoded a protein of 1,163 aa, was located in the vicinity of the cytokine cluster region of chromosome 5q31 and contained at least 16 exons. The AF5q31 gene was expressed in fetal heart, lung, and brain at relatively high levels and fetal liver at a low level, but the expression in these tissues decreased in adults. The AF5q31 protein was homologous to AF4-related proteins, including AF4, LAF4, and FMR2. The AF5q31 and AF4 proteins had three homologous regions, including the transactivation domain of AF4, and the breakpoint of AF5q31 was located within the region homologous to the transactivation domain of AF4. Furthermore, the clin. features of this patient with the MLL-AF5q31 fusion transcript, characterized by the early pre-B phenotype (CD10-/CD19+) and poor outcome, were similar to those of patients having MLL-AF4 chimeric transcripts. These findings suggest that AF5q31 and AF4 might define a new family particularly involved in the pathogenesis of 11q23-assocd.-ALL.
 ST gene AF5q31 cDNA sequence human MLL fusion lymphoblastic leukemia; MLL fusion gene AF5q31 infant acute lymphoblastic leukemia
 IT Proteins, specific or class
 RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (AF5q31 (AF4-related on chromosome 5q31); cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))
 IT Gene, animal
 RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (AF5q31; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))
 IT Gene, animal
 RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (MLL; cDNA sequence of human AF5q31, AF4-related gene, that is fused to

MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Leukemia
(acute pre-B-cell; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Chimeric gene
RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (animal; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Chromosome aberrations
Genetic mapping
Protein sequences
cDNA sequences
(cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Fusion proteins (chimeric proteins)
mRNA
RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Gene, animal
RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (chimeric; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Embryo, animal
(fetus; tissue mRNA expression human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23), in adult and fetus)

IT Transcription factors
RL: ADV (Adverse effect, including toxicity); BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process) (gene MLL; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Protein sequences
(homol.; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Chromosome
(human 11; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Chromosome
(human 5; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Development, mammalian postnatal
(infant; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Mutation
(insertion; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with

ins(5;11)(q31;q13q23))

IT Brain
Heart
Kidney
Liver
Lung
Muscle
Pancreas
Placenta
Transcription, genetic
(tissue mRNA expression human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23), in adult and fetus)

IT Protein motifs
(transactivation; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT Recombination, genetic
(**translocation**, insertional; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT **256325-18-5**
RL: PRP (Properties)
(amino acid sequence; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

IT 251534-59-5, GenBank AF197927
RL: PRP (Properties)
(nucleotide sequence; cDNA sequence of human AF5q31, AF4-related gene, that is fused to MLL in infant acute lymphoblastic leukemia with ins(5;11)(q31;q13q23))

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD

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L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1994:694000 CAPLUS

DN 121:294000

TI Characterization and developmental expression of Tlx-1, the murine homolog of HOX11

AU Raju, Kaliannan; Tang, Shaojun; Dube, Ian D.; Kamel-Reid, Suzanne; Bryce, Dawn Marie; Breitman, Martin L.

CS Samuel Lunenfeld Res. Inst., Mount Sinai Hosp., Toronto, ON, M5G 1X5, Can.

SO Mechanisms of Development (1993), 44(1), 51-64

CODEN: MEDVE6; ISSN: 0925-4773

DT Journal

LA English

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 13

AB HOX11, a human homeobox gene with putative oncogenic potential, was originally discovered at the chromosome 10 breakpoint in T-cell acute lymphoblastic leukemias bearing the chromosomal **translocation** t(10;14)(q24;q11). To provide insight into the possible roles of this gene in development, the authors isolated and characterized its murine homolog, Tlx-1, and examd. its profile of expression. Tlx-1 transcripts are first detected at E8.5 in the surface ectoderm and central mesenchyme of the first branchial arch. This expression subsequently extends to the 2nd, 3rd, and 4th branchial arches, as well as the presumptive pharynx, as these structures develop. Between E12.5 and E15.5, the profile of Tlx-1 expression becomes more complex; expression is obsd. in the developing **pancreas** and salivary glands, as well as in several components of the nervous system, including the trigeminal, glossopharyngeal and vestibulocochlear ganglia, the spinal cord, and the curvature of the pons-medulla. In addn., expression is seen in the pinna and external auditory meatus of the outer ear, the tooth primordia, and specific cell populations of the mandible and tongue. These complex patterns of expression are consistent with multiple and varied roles for Tlx-1 in development and suggest that Tlx-1 marks, amongst other cell populations, structures derived from cranial neural crest cells and migratory paraxial mesoderm that arise at corresponding levels along the rostral-caudal axis of the developing embryo.

ST mouse gene tlxl protein sequence development

IT Development, mammalian

Mouse

(characterization, sequence, and developmental expression of Tlx-1, the murine homolog of HOX11)

IT Gene, animal

RL: BIOL (Biological study)

(tlx-1; characterization, sequence, and developmental expression of Tlx-1, the murine homolog of HOX11)

IT 158849-05-9, GenBank S70756 158849-06-0, GenBank S70629 158849-07-1, GenBank S70632 **158855-03-9**

RL: PRP (Properties)

(characterization, sequence, and developmental expression of Tlx-1, the

murine homolog of HOX11)

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